

MicroGenius

Genset Battery Chargers

12 & 24 Volts, 6 to 60 Amps



Small. Powerful. Rugged.

Hardened switchmode powertrain - delivers first-class abuse resistance and energy efficiency Patented charging algorithms - recharge faster and more safely; cut risk of sudden battery failure UL Listed for emergency generators - from 6 to 60 amp output

Tested to high vibration levels - survive harsh genset duty

Standard J-1939 and Modbus communications - facilitate genset and building integration Small, lightweight packages - enable installation in smaller spaces













Robust reliability. More power in less space.

SENS MicroGenius advanced technology genset battery chargers deliver from 6 to 60 amps at 12 or 24 volts.

MicroGenius is the only family of genset chargers that meets all modern battery charging and energy efficiency regulations.

- UL listed to category BBHH required for "Emergency Generators"
- Legal for sale under California and Oregon energy efficiency regulations
- All units survive harsh EN 60068 standard vibration abuse at the 4G level

State-of-the-art features

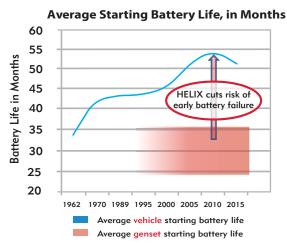
Patented Dynamic Boost™ charging

Dynamic Boost charges batteries faster and more completely than similarly rated conventional chargers, but with lower risk of overcharge.



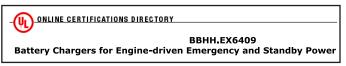
Safer, more reliable battery performance

Revolutionary HELIX $^{\text{\tiny{TM}}}$ (High Efficiency, Llfe-eXtending) technology from SENS reduces the risk of both early and catastrophic genset battery failures.



UL listed for emergency and standby generator duty

MicroGenius chargers rated 6 through 60A output are UL listed to category code BBHH "Emergency & Standby Generators"



Dependable modular architecture

MicroGenius S2 and S4 employ multiple MicroGenius 450 chargers that enable either higher current output, internal redundancy or multiple outputs.





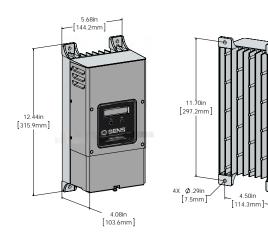




MicroGenius 2

6.0 lbs. (2.8 kg)

Choose MicroGenius 2 if your DC current requirement is $\leq 15A$



		MicroGenius 180	MicroGenius 300	MicroGenius 450								
AC inner	VAC, Hz	90-265¹ VAC, 47-63 Hz	7,110,1000,1111,1000	7,110,1000,1111111111111111111111111111								
AC input	Protection	·	fuse transient protected to FN 61000-	4-5 level 4								
	Power factor & efficiency	Supplementary overcurrent protection fuse, transient protected to EN 61000-4-5 level 4 PF > .95 typical; efficiency to 93%; meets CEC Title 20 Efficiency Regulations; standby AC draw < 3W										
50	Volts, amps	12V/24V nom., 10A/6A	12V/24V nom., 12A/10A	12V/24V nom., 15A/15A (24V, 12A								
DC output	voits, unips	<u> </u>		max below 170 VAC)								
	Charging modes	Multi-stage, including float, boost and	two additional HELIX voltages in floode	ed lead-acid battery program								
	Current limit	Factory set at 100% of rating. Field ad	justable w/optional keypad or from PC. ²	!								
	Charging characteristic	Constant voltage, current limited; pate	nted Dynamic Boost control and HELIX	(when FLA battery is selected)								
	Line & load regulation	±0.5%										
	Output ripple	< 30 mVrms with or without battery. Delivers fast-responding, stable, well-filtered DC without battery.										
	Battery temp. compensation	Standard. Optional remote battery temperature probe. ³										
	Output protection	Current limit, supplementary overcurrent protection fuse, transient protected										
	Dead battery charge	Starts into, and recharges zero volt bat	tery without user intervention									
	Parallel operation	Two or more chargers operate with all modes synchronized for increased current or fault tolerance ⁴										
Adjustment & Controls	Charge mode control		st system (VRLA or ultracap charging p nissioning modes available with keypad									
Controls	Adjustments	12 or 24-volt; battery type program; fine voltage setting; alarm setpoints; alarm relay mapping										
	Battery type programs	Flooded lead-acid, AGM or Ni-Cd for engine starting; VRLA for reserve power; ultracapacitor										
	Field voltage adjustment	3 methods: jumper pins, from front par	nel keypad ⁵ or from PC ²									
Status display	LEDs	Two multi-color front panel status LEDs										
Status display	Metering & status display	Optional. Voltmeter accurate to +2%; ammeter to +5%; 20-character display of status & alarm messages.										
Alarms	Alarms Alarms: Form C contacts	Factory set, field reconfigurable. Alarm functions announced on the J-1939 and Modbus ports and on the optiona LCD include summary, AC fail, charger fail, high DC volts, low DC volts, low cranking volts, overvoltage shutdown, reverse polarity battery, incompatible battery, invalid settings, I/O bus inactive, thermal fold back, no temperature probe, current limiting, ground fault and low current. Any alarm is assignable to Form C contacts. Optional. Two ⁷ or five Form C contacts, each rated 30V, 2A resistive, assignable. Standard configuration includes										
		summary, AC fail, charger fail, high DC volts, low DC volts and low cranking volts.										
Networking	J-1939 communications	CAN 2.0 extended ID on RJ-45 port										
	Modbus communications	Modbus RS-485 on RJ-45 port										
	SENSbus	Proprietary bus for connection of paralleled chargers and SENS accessories										
Environmental	Operating temperature ⁹ (convection cooled)	-40C to +70C; full spec from -40C to +60C	-40C to +70C; full spec from -40C to +50C	-40C to +70C; full spec from -40C to +40C								
	Humidity	5% to 95%, non-condensing										
	Ingress protection	IP 22; NEMA 3R; UL Listed "Rainproof"										
	Vibration & shock resistance	Vib: Swept Sine (EN60068-2-6): 4G, 18-500 Hz, 3 axes. Random: 20-500Hz, .01G ² /Hz. Shock: EN 60068-2-27 (15G										
	Electrical transient	ANSI/IEEE C62.41 & EN 61000-4-12 on power terminals										
Abuse	Reverse polarity	Charger self-protects without fuse clearing. Indication via LED & optional LCD.										
protection	Wrong voltage battery	Charger-battery voltage mismatch shut	ts down charger. Indication via LED & o	ptional LCD.								
protection	Overvoltage shutdown	Selective; shutdown only operates if charger causes the overvoltage condition										
	Overtemperature protection	Gradual output power reduction if heat	tsink temperature becomes excessive									
Regulatory	North America	C-UL Listed for US & Canada: UL 1236 categories BBGQ, BBHH, BBJY and QWIR ¹⁰ , CSA 22.2, No to UL 1236 supplements SB (marine), SC (fire pump) and SE (emergency generator).										
compliance		NFPA-70, NFPA-110 ¹¹										
		FCC Part 15, Class B										
		Seismic: Rigid & non-structure wall mount; max Sps of 2.5G. IBC 2000-2015, Calif. BC 2007-2016										
		American Bureau of Shipping, type approved										
	European Union (CE)	EMC: 2014/30/EU (EN 61000-6-2 & El	N 61000-6-4)									
		LVD: 2014/35/EU (EN 60335-1 & EN 6	0335-2-29)									
		RoHS 2: 2011/65/EU (EN 50581)										

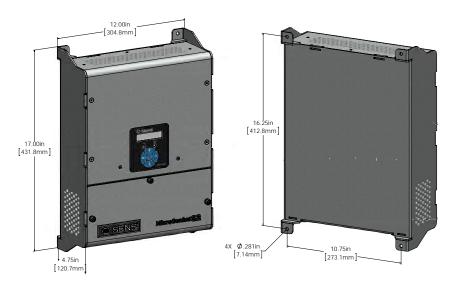
¹ When set for 24-volt output, full 15A output of 450W available above 170 VAC input, 12A output current max between 100 VAC and 170 VAC input 2 Requires optional computer to charger adapter SENS p/n 209254 plus free SENS software available at www.sens-usa.com 3 Remote battery temp sensor is optional. Order SENS p/n 209481 4 Requires standard RJ-45 network cable to connect paralleling bus. Order SENS p/n 208118-72 (72-inch length) or 2081118-180 (180-inch length) 5 Requires that digit 12 of the model number be F 6 Requires that digit 12 of the model number be F 6 Requires that digit 12 of the model number be D, E, or F 7 Models with E as digit 12 of the model number include 2 ea. Form C alarm contacts 8 Models with D or F as digit 12 of the model number include 5 ea. Form C alarm contacts 9 At 65 deg. C and above the LCD display may be unreadable and display life will be reduced 10 Except 180W unit in 24V configuration, which is not listed to QWIR 11 All chargers equipped with an alarm / display board meet NFPA-110 requirements. For chargers without an alarm / display board to meet NFPA-110, charger volts, amps and charger fail alarm available on the J-1939 port must be annunciated by the genset control panel.



MicroGenius S2

13 lbs. (5.9 kg) maximum

Choose S2 if your DC current requirement is > 15A and $\le 30A$, or if you need redundant or dual 15A output



Sı	pecifications f	for MicroGenius <mark>52</mark> : 20A & 30A Output									
١		20A 30A									
AC input	VAC, Hz	90-265¹ VAC, 47-63 Hz									
Ac input	Protection	Supplementary overcurrent protection fuse, transient protected to EN 61000-4-5 level 4									
	Power factor & efficiency	PF > .95 typical; efficiency to 93%; meets CEC Title 20 Appliance Efficiency Regulations									
DC output	Volts, amps	12V/24V nom., 20A/20A 12V/24V nom., 30A/30A (24V, 24A max below 170 VAC)									
DC output	Charging modes	Multi-stage, including float, boost and two additional HELIX voltages in flooded lead-acid battery program									
	Current limit	Factory set at 100% of rating. Field adjustable with keypad or from PC. ²									
	Charging characteristic	Constant voltage, current limited; patented Dynamic Boost control and HELIX (when FLA battery is selected)									
	Line & load regulation	±0.5%									
	Output ripple	< 30 mVrms with or without battery. Delivers fast-responding, stable, well-filtered DC without battery.									
	Battery temp. compensation	Standard. Optional remote battery temperature probe. ³									
	Output protection	Current limit, supplementary overcurrent protection fuse, transient protected									
	Dead battery charge	Starts into, and recharges zero volt battery without user intervention									
	Parallel operation	Two or more chargers operate with all modes synchronized for increased current or fault tolerance ⁴									
Adjustment &	Charge mode control	Fully automatic patented Dynamic Boost system. Manual boost & battery commissioning available from keypad.									
,	Adjustments	12 or 24-volt; battery type program; fine voltage setting; alarm setpoints; alarm relay mapping									
Controls	Battery type programs	Flooded lead-acid, AGM or Ni-Cd for engine starting; VRLA for reserve power; ultracapacitor									
	Field voltage adjustment	2 methods: from front panel keypad or from PC ²									
Status displan	LEDs	Two multi-color front panel status LEDs									
Status display	Metering & status display	Voltmeter accurate to +2%; ammeter to +5%. 20-character display of status & alarm messages.									
Alarms	Alarms: Form C contacts	Factory set, field reconfigurable. Alarm functions announced on the J-1939 and Modbus ports and on the LCD include summary, AC fail, charger fail, high DC volts, low DC volts, low cranking volts, overvoltage shutdown, reverse polarity battery, incompatible battery, invalid settings, I/O bus inactive, thermal fold back, no temperature probe, current limiting, ground fault and low current. Any alarm is assignable to Form C contacts. Five Form C contacts, each rated 30V, 2A resistive, assignable. Standard configuration includes summary, AC fail,									
	J-1939 communications	charger fail, high DC volts, low DC volts and low cranking volts.									
Networking	Modbus communications	CAN 2.0 extended ID on RJ-45 port									
		Modbus RS-485 on RJ-45 port; Modbus TCP/IP (optional) on RJ-45 port									
	SENSbus	Proprietary bus for connection of paralleled chargers and SENS accessories									
Environmental	Operating temperature	-40C to +70C; full spec from -40C to +40C (convection cooled)									
	Humidity	5% to 95%, non-condensing									
	Ingress protection	IP 20; NEMA 1. Optional drip shield for IP 22/NEMA 3R rating.									
	Vibration & shock resistance	Vib: Swept Sine (EN60068-2-6): 4G, 18-500 Hz, 3 axes. Random: 20-500Hz, .01G ² /Hz. Shock: EN 60068-2									
	Electrical transient	ANSI/IEEE C62.41 & EN 61000-4-12 on power terminals									
Abuse	Reverse polarity	Charger self-protects without fuse clearing. Indication via LED & LCD.									
protection	Wrong voltage battery	Charger-battery voltage mismatch shuts down charger. Indication via LED & LCD.									
•	Overvoltage shutdown	Selective; shutdown only operates if charger causes the overvoltage condition									
	Overtemperature protection	Gradual output power reduction if heatsink temperature becomes excessive									
Regulatory compliance	North America	C-UL Listed for US & Canada: UL 1236 categories BBGQ, BBHH, BBJY and QWIR, CSA 22.2, No. 107.2. Certified to UL 1236 supplements SB (marine), SC (fire pump) and SE (emergency generator).									
compliance		NFPA-70, NFPA-110									
		FCC Part 15, Class A									
		Seismic: Rigid & non-structure wall mount; max S _{DS} of 2.5G. IBC 2000-2015, Calif. BC 2007-2016									
		American Bureau of Shipping, type approved									
	European Union (CE)	EMC: 2014/30/EU (EN 61000-6-2 & EN 61000-6-4)									
		LVD: 2014/35/EU (EN 60335-1 & EN 60335-2-29)									
		RoHS 2: 2011/65/EU (EN 50581)									
Construction	Housing/configuration	Aluminum with powder coated finish									
	Connections	AC & DC terminal blocks: 20 to 2 AWG, J-1939 and Modbus: RJ-45. Form C alarms: 28 to 16 AWG									

When set for 24-volt output, full 30A output available above 170 VAC input, 24A output current max between 100 VAC and 170 VAC input 2 Requires optional computer to charger adapter SENS p/n 209254 plus free SENS software available at www.sens-usa.com 3 Remote battery temp sensor is optional. Order SENS p/n 209481 4 Requires standard RJ-45 network cable to connect paralleling bus. Order SENS p/n 208118-72 (72-inch length) or 208118-180 (180-inch length) 5 At 65 deg. C and above the LCD display may be unreadable and display life will be reduced 6 Drip shield is optional. Order SENS p/n 209291.



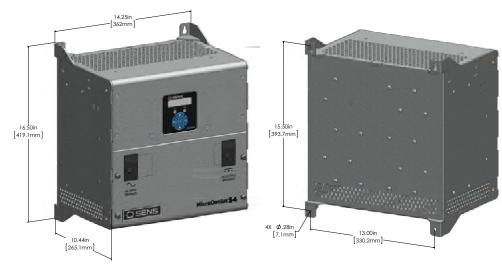
MicroGenius S4

32 lbs (14.5 kg) maximum

Choose \$4 for:

- DC current >30A
- Circuit breakers
- Added surge suppression
- Internal redundancy
- 2 or more battery banks

19 or 23 inch rack mount brackets optional



AC input DC output	VAC, Hz Protection Power factor & efficiency Volts, amps Charging modes Current limit Charging characteristic Line & load regulation Output ripple Battery temp. compensation Output protection Dead battery charge	Optional AC input surge p PF > .95 typical; efficienc 12V/24V nom., 15A/15A Multi-stage, including flot Factory set at 100% of ra Constant voltage, current ±0.5% < 30 mVrms with or with Standard. Optional remot Current limit, supplement DC output surge protecto	protector with indicator. y to 93%; meets CEC Title 20 A a 12V/24V nom., 30A/30A at, boost and two additional HE ting. Field adjustable with keyp limited; patented Dynamic Boo out battery. Delivers fast-respon te battery temperature probe. arry overcurrent protection fuse	appliance Efficiency Regulat 12V/24V nom., 45A/4: LIX voltages in flooded lead ad or from PC. ² set control and HELIX (when adding, stable, well-filtered D	5A 12V/24V nom., 60A/60A d-acid battery program n FLA battery is selected)											
·	Power factor & efficiency Volts, amps Charging modes Current limit Charging characteristic Line & load regulation Output ripple Battery temp. compensation Output protection Dead battery charge	Supplementary overcurrer Optional AC input surge p PF >.95 typical; efficienc 12V/24V nom., 15A/15A Multi-stage, including flot Factory set at 100% of ra Constant voltage, current ±0.5% < 30 mVrms with or with Standard. Optional remot Current limit, supplement DC output surge protecto	protector with indicator. y to 93%; meets CEC Title 20 A a 12V/24V nom., 30A/30A at, boost and two additional HE ting. Field adjustable with keyp limited; patented Dynamic Boo out battery. Delivers fast-respon te battery temperature probe. arry overcurrent protection fuse	appliance Efficiency Regulat 12V/24V nom., 45A/4: LIX voltages in flooded lead ad or from PC. ² set control and HELIX (when adding, stable, well-filtered D	ions 5A 12V/24V nom., 60A/60A d-acid battery program n FLA battery is selected)											
DC output	Volts, amps Charging modes Current limit Charging characteristic Line & load regulation Output ripple Battery temp. compensation Output protection Dead battery charge	12V/24V nom., 15A/15A Multi-stage, including floo Factory set at 100% of ra Constant voltage, current ±0.5% < 30 mVrms with or with Standard. Optional remot Current limit, supplement DC output surge protecto	a 12V/24V nom., 30A/30A at, boost and two additional HE ting. Field adjustable with keyp limited; patented Dynamic Boo out battery. Delivers fast-response battery temperature probe. 3 ary overcurrent protection fuse	12V/24V nom., 45A/4: LIX voltages in flooded lead ad or from PC. ² est control and HELIX (when ading, stable, well-filtered D	5A 12V/24V nom., 60A/60A d-acid battery program n FLA battery is selected)											
DC output	Charging modes Current limit Charging characteristic Line & load regulation Output ripple Battery temp. compensation Output protection Dead battery charge	Multi-stage, including floo Factory set at 100% of ra Constant voltage, current ±0.5% < 30 mVrms with or with Standard. Optional remot Current limit, supplement DC output surge protecto	at, boost and two additional HE ting. Field adjustable with keyp limited; patented Dynamic Boo out battery. Delivers fast-respon te battery temperature probe. ary overcurrent protection fuse	LIX voltages in flooded lead ad or from PC. ² ost control and HELIX (whee ading, stable, well-filtered D	d-acid battery program n FLA battery is selected)											
20 00.00	Current limit Charging characteristic Line & load regulation Output ripple Battery temp. compensation Output protection Dead battery charge	Factory set at 100% of ra Constant voltage, current ±0.5% < 30 mVrms with or with Standard. Optional remot Current limit, supplement DC output surge protecto	ting. Field adjustable with keyp limited; patented Dynamic Boo out battery. Delivers fast-respon- te battery temperature probe. 3 ary overcurrent protection fuse	ad or from PC. ² ost control and HELIX (when	n FLA battery is selected)											
	Charging characteristic Line & load regulation Output ripple Battery temp. compensation Output protection Dead battery charge	Constant voltage, current ±0.5% < 30 mVrms with or with Standard. Optional remot Current limit, supplement DC output surge protecto	limited; patented Dynamic Boo out battery. Delivers fast-respon- te battery temperature probe. ³ ary overcurrent protection fuse	ost control and HELIX (when	,											
	Line & load regulation Output ripple Battery temp. compensation Output protection Dead battery charge	±0.5% < 30 mVrms with or with Standard. Optional remot Current limit, supplement DC output surge protecto	out battery. Delivers fast-responde battery temperature probe. 3 cary overcurrent protection fuse	nding, stable, well-filtered D	,											
	Output ripple Battery temp. compensation Output protection Dead battery charge	< 30 mVrms with or with Standard. Optional remot Current limit, supplement DC output surge protecto	e battery temperature probe. ³ ary overcurrent protection fuse		OC without battery.											
	Battery temp. compensation Output protection Dead battery charge	Standard. Optional remot Current limit, supplement DC output surge protecto	re battery temperature probe. ³ ary overcurrent protection fuse		OC without battery.											
	Output protection Dead battery charge	Current limit, supplement DC output surge protecto	ary overcurrent protection fuse		< 30 mVrms with or without battery. Delivers fast-responding, stable, well-filtered DC without battery.											
	Dead battery charge	DC output surge protecto		Standard. Optional remote battery temperature probe. ³												
			Current limit, supplementary overcurrent protection fuse, transient protected. Optional DC circuit breaker. Optional DC output surge protector with indicator.													
	Parallal aparation	Starts into, and recharges zero volt battery without user intervention														
	Parallel operation		erate with all modes synchronize		fault tolerance ⁴											
Adjustment &	Charge mode control	Fully automatic patented	Dynamic Boost system. Manua	boost & battery commission	oning available from keypad.											
Controls	Adjustments	12 or 24-volt; battery type	e program; fine voltage setting;	alarm setpoints; alarm rela	ay mapping											
Controls	Battery type programs	Flooded lead-acid, AGM or Ni-Cd for engine starting; VRLA for reserve power; ultracapacitor														
	Field voltage adjustment	2 methods: from front panel keypad or from PC ²														
Status display LEDs Two multi-color front panel status LEDs																
Ctatas alspia)	Metering & status display	Voltmeter accurate to $+2\%$; ammeter to $+5\%$. 20-character display of status & alarm messages.														
Alarms	Alarms: Form C contacts	Factory set, field reconfigurable. Alarm functions announced on the J-1939 and Modbus ports and on the LCD include summary, AC fail, charger fail, high DC volts, low DC volts, low cranking volts, overvoltage shutdown, reverse polarity battery, incompatible battery, invalid settings, I/O bus inactive, thermal fold back, no temperature probe, current limiting, ground fault and low current. Any alarm is assignable to Form C contacts. Five Form C contacts, each rated 30V, 2A resistive, assignable. Standard configuration includes summary, AC fail,														
		charger fail, high DC volts, low DC volts and low cranking volts.														
Networking	J-1939 communications	CAN 2.0 extended ID on														
	Modbus communications	Modbus RS-485 on RJ-45 port; Modbus TCP/IP (optional) on RJ-45 port														
	SENSbus	Proprietary bus for connection of paralleled chargers and SENS accessories														
Environmental	Operating temperature	-40C to +70C; full spec f	rom -40C to +40C (convection	cooled) ⁵												
	Humidity	5% to 95%, non-condensing														
	Ingress protection	IP 20; NEMA 1. Optional drip shield for IP 22/NEMA 3R rating.														
	Vibration & shock resistance	Vib: Swept Sine (EN60068-2-6): 4G, 18-500 Hz, 3 axes. Random: 20-500Hz, .01G ² /Hz. Shock: EN 60068-2-27 (15G)														
	Electrical transient	ANSI/IEEE C62.41 & EN 61000-4-12 on power terminals														
Abuse	Reverse polarity	Charger self-protects with	nout output protective device cl	earing. Indication via LED 8	LCD.											
protection	Wrong voltage battery	Charger-battery voltage mismatch shuts down charger. Indication via LED & LCD.														
protoction	Overvoltage shutdown	Selective; shutdown only operates if charger causes the overvoltage condition														
	Overtemperature protection		luction if heatsink temperature													
Regulatory compliance	North America	C-UL Listed for US & Canada: UL 1236 categories BBGQ, BBHH, BBJY and QWIR, CSA 22.2, No. 107.2. Certified to UL 1236 supplements SB (marine), SC (fire pump) and SE (emergency generator). NFPA-70, NFPA-110														
- -		FCC Part 15, Class A														
		Seismic: Rigid & non-structure wall mount; max S _{ps} of 2.5G. IBC 2000-2015, Calif. BC 2007-2016														
		American Bureau of Shipp		33. IBC 2000-2013, Calli. I	DC 2007-2010											
	E Uni (CE)		1000-6-2 & EN 61000-6-4)													
	European Union (CE)	LVD: 2014/35/EU (EN 60														
		RoHS 2: 2011/65/EU (EN														
<u> </u>	Housing/configuration		pated finish. Rack mount brack	ets for 19 and 23 inch rack	optional											
Construction	Connections		14 AWG to 2/0. AC & DC brea		•											

¹ When set for 24-volt output, full output available above 170 YAC input, output power reduced by approximately 20% for operation between 100 YAC and 170 YAC input (e.g. 24A for charger rated 30A) 2 Requires optional computer to charger adapter SENS p/n 209254 plus free SENS software available at www.sens-usa.com 3 Remote battery temp sensor is optional. Order SENS p/n 209481 4 Requires standard RJ-45 network cable to connect paralleling bus. Order SENS p/n 208118-72 (72-inch length) or 208118-180 (180-inch length) 5 At 65 deg. C and above the LCD display may be unreadable and display life will be reduced 6 Drip shield is optional. Order SENS p/n 209287.



How To Order MicroGenius 2

Product Type	Power	-	Output Volts	-	Output Current	-	Alms & Comms	Adapter & RTS
M	4	-	22	-	1515	-	F	N
A	B		(C)		(D)		(E)	

	Parameter	Code	Value					
A	Product Family	М	MicroGenius 2					
B	Power	1 3 4	180W 300W 450W					
©	Output Voltage	22	12/24V					
(D)	Output Current	1006 1210 1515	10A @ 12V; 6A @ 24V (180W only) 12A @ 12V; 10A @ 24V (300W only) 15A @ 12V; 15A @ 24V (450W only)					
E	Alarm & Communication Options	A D E F	Base model; includes J-1939 & Modbus communications Base model + LCD display + 5 ea. Form C alarm relays Base model + LCD display + 2 ea. Form C alarm relays Base model + LCD + 5 ea. Form C relays + keypad control					
F	Adapter Plate & Remote Temperature Sensor Options	F G L N T	FC to MicroGenius 2 adapter plate (enclosed charger only) MicroGenius 150 to MicroGenius 2 adapter plate (enclosed charger only) LC to MicroGenius 2 adapter plate (enclosed charger only) NRG10 to MicroGenius 2 adapter plate (enclosed charger only) Remote Temperature Sensor shipped with charger					

How To Order MicroGenius S2 & S4

Product Type	Enclo- sure	-	Protect. Options	Comms	Config	-[Port A Code	Port A Redun.	Port B Code	Port B Redun.	Port C Code	Port C Redun.	Port D Code	Port D Redun.	
S	4	-	С	1	0	-	Н	0	0	0	0	0	0	0	
A	B		C	D	E		Contact the factory to configure chargers with multiple output internal redundancy.								
	Parame	ter			Code	de Value									
A	Product	Far	nily		s		Mic	MicroGenius S							
B	Enclosu	re			2 4			S2 chassis S4 chassis							
©	AC & DO		rotection on		A B C		AC	Standard, no circuit breakers AC and DC circuit breakers (S4 only) AC and DC breakers plus supplementary surge protection (S4 only)							
D	Commu	nico	ations		0 1 2 3		J-1	J-1939 and Modbus RS-485 J-1939 and Modbus TCP/IP J-1939 and Modbus RS-485 with RJ-45 to terminal block adapter J-1939 and Modbus TCP/IP with RJ-45 to terminal block adapter							
E	Configu	rati	on		0 R T		19	Standard 19" rack mount ears (S4 only) 23" rack mount ears (S4 only)						•	
₿	Output (Cur	rent		A B D F		20/ 30/ 45/	15A (S4 only) 20A (S2 only) 30A (S2 or S4) 45A (S4 only) 60A (S4 only)							

Contact SENS or your local sales representative for additional specification, engineering and installation information, or visit SENS' website for latest available data. Specification subject to change without notice.

SENS, Stored Energy Systems, the battery/rectifier logo, Dynamic Boost, HELIX and MicroGenius are trademarks of Stored Energy Systems LLC. Patented US 9,270,140; 9,385,556; 9,413,186; 9,509,164; 9,466,995; 9,948,125.

Contact Information

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