

Name	SMG100									SMG200					
	12/12	12/24	24/12	24/24	24/48	48/12	48/24	48/48	12/12	12/24	24/12	24/24	24/48	48/12	
Model	12/12	12/24	24/12	24/24	24/48	48/12	48/24	48/48	12/12	12/24	24/12	24/24	24/48	48/12	
Article no.															
Converter type	galvanic insulation and voltage stabilizing									galvanic isolation and voltage stabilizing					
Input															
Nominal input voltage	12V	12V	24V	24V	24V	48V	48V	48V	12V	12V	24V	24V	24V	48V	
Input range, full output specifications	9V..18V	9V..18V	20V..35V	20V..35V	20V..35V	30V..60V	30V..60V	30V..60V	9V..18V	9V..18V	20V..35V	20V..35V	20V..35V	30V..60V	
Input range, no defects	0V..20V	0V..20V	0V..35V	0V..35V	0V..35V	0V..60V	0V..60V	0V..60V	0V..20V	0V..20V	0V..35V	0V..35V	0V..35V	0V..60V	
Output															
Nominal output voltage	12.5V	24.5V	12.5V	24.5V	48V	12.5V	24.5V	48V	12.5V	24.5V	12.5V	24.5V	48V	12.5V	
Voltage adjustment															
Stabilized													yes	yes	
Output voltage ripple, peakpeak													1%	1%	
Maximum output power													200W	200W	
Continue output power													100W	200W	
Maximum output current	16A	8A	16A	8A	4A	16A	8A	4A	16A	8A	16A	8A	4A	16A	
Continue output current	8A	4A	8A	4A	2A	8A	8A	4A	16A	8A	16A	8A	4A	16A	
Continue output current at 40°C	8A	4A	8A	4A	2A	8A	8A	4A	16A	8A	16A	8A	4A	16A	
General															
Efficiency													+/-87%	+/-87%	
No load consumption													+/-25mA	+/-25mA	
Ambient operating temperature													-10°C .. +40°C, de-rating to 60°C	-10°C .. +40°C, de-rating to 60°C	
Storage temperature													-25°C .. +85°C	-25°C .. +85°C	
Operating humidity													95% max, non-condensing	95% max, non-condensing	
Galvanic insulation													yes	yes	
Cooling fan													No	yes	
Protections															
Overcurrent / short circuit	limited by current sensing circuit to I-max									limited by current sensing circuit to I-max					
Over heat	yes									yes					
Features															
Microprocessor controlled	yes									yes					
undervoltage	yes									yes					
overvoltage	yes									yes					
3 stage charger	yes with charger software									yes with charger software					
Programmable	yes									yes					
Smart undervoltage detection	Yes with charger software									Yes with charger software					
lithium ion charger	Yes with ion charger software									Yes with ion charger software					
Mechanical															
Connection input/output	Faston 6,3mm									Faston 6,3mm					
Dimensions (H*W*D)	50*151*88mm									50*175*88mm					
Mounting holes	dia 4mm 58*143mm									dia 4mm 58*168mm					
Weight	0,51Kg									0,59Kg					
cabinet	anodized aluminium black, ABS Blend end									anodized aluminium black, ABS Blend end cover					
Color	Black									Black					

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Name	SMG360									
	48/24	48/48	12/12	12/24	24/12	24/24	24/48	48/12	48/24	48/48
Model	48/24	48/48	12/12	12/24	24/12	24/24	24/48	48/12	48/24	48/48
Article no.										
Converter type	galvanic isolation and voltage stabilizing									
Input										
Nominal input voltage	48V	48V	12V	12V	24V	24V	24V	48V	48V	48V
Input range, full output specifications	30V..60V	30V..60V	9V..18V	9V..18V	20V..35V	20V..35V	20V..35V	30V..60V	30V..60V	30V..60V
Input range, no defects	0V..60V	0V..60V	0V..20V	0V..20V	0V..35V	0V..35V	0V..35V	0V..60V	0V..60V	0V..60V
Output										
Nominal output voltage	24.5V	48V	12.5V	24.5V	12.5V	24.5V	48V	12.5V	24.5V	48V
Voltage adjustment							yes			
Stabilized							1%			
Output voltage ripple, peakpeak							1%			
Maximum output power							360W			
Continue output power							360W			
Maximum output current	8A	4A	30A	15A	30A	15A	8A	30A	15A	8A
Continue output current	8A	4A	30A	15A	30A	15A	8A	30A	15A	8A
Continue output current at 40°C	8A	4A	30A	15A	30A	15A	8A	30A	15A	8A
General										
Efficiency	+/- 87%									
No load consumption	+/- 25mA									
Ambient operating temperature	-10°C .. +40°C, de-rating to 60°C									
Storage temperature	-25°C .. +85°C									
Operating humidity	95% max, non-condensing									
Galvanic insulation	yes									
Cooling fan	Yes									
Protections										
Overcurrent / short circuit	limited by current sensing circuit to I-max									
Over heat	yes									
Features										
Microprocessor controlled	yes									
undervoltage	yes									
overvoltage	yes									
3 stage charger	yes with charger software									
Programmable	yes									
Smart undervoltage detection	Yes with charger software									
lithium ion charger	Yes with ion charger software									
Mechanical										
Connection input/output	Faston 6,3mm									
Dimensions (H*W*D)	83*190*133mm									
Mounting holes	dia 4mm 91*182mm									
Weight	1,37Kg									
cabinet	anodized aluminium blanc, ABS Blend end cover									
Color	Black									



SMG100

SMG200



SMG360

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