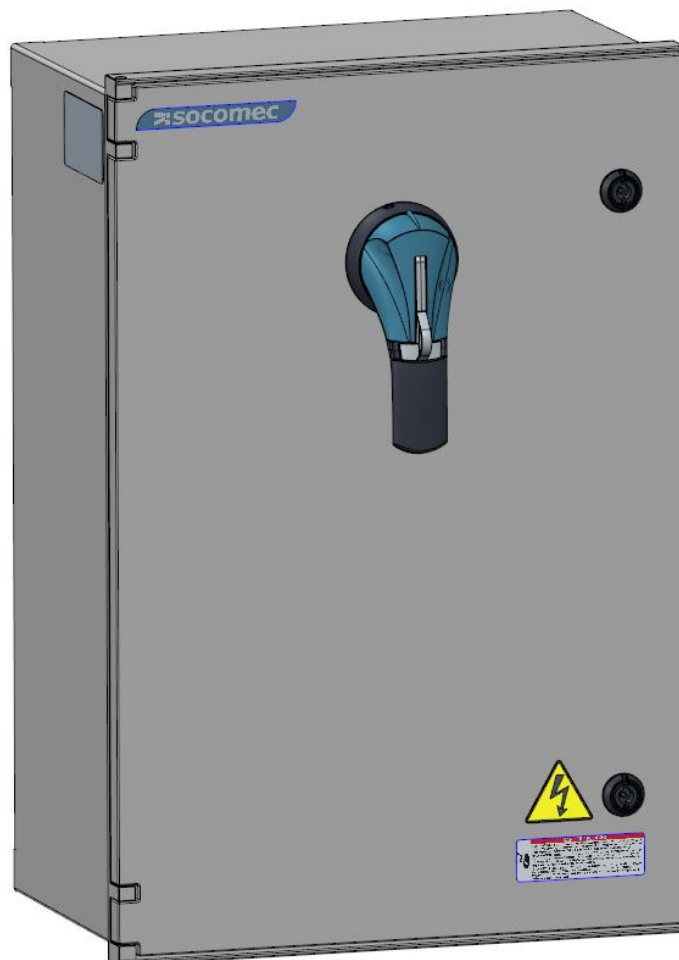




DATASHEET

PV Switch Box 1500Vdc for SUNNY HIGHPOWER PEAK3

Description	PV Switch Box 1500Vdc
SMA part number	PV-SW-BOX-1500
Compatible inverter	Sunny Highpower PEAK3 100kW (SHP 100-20) Sunny Highpower PEAK3 150kW (SHP 150-20)
Manufacturer	Socomec S.A.S., France
Last update	February, 2019
Note	All products and services described as well as technical data are subject to change, even for reasons of country-specific deviations, at any time without notice. SMA assumes no liability for errors or omissions. For current information, see www.SMA-Solar.com or www.socomec.com . SMA and Sunny Highpower are registered trademarks of SMA Solar Technology AG.





Technical Data

PRODUCT CODE		Version IEC
<u>Environmental conditions</u>		
Ambient temperature operating range		- 25 to + 60°C without derating
Storage temperature		-40 to +70°C
Relative humidity / Altitude		95% without condensation @ 40°C/3000 m
<u>Electrical characteristics</u>		
Following IEC 61439 / IEC 60947-3		
Rated current In	@ 35°C	250A
Rated voltage Ue		1500 Vdc
Insulation voltage Ui (Power circuit)		1500 Vdc
Impulse withstand voltage Uimp (Power circuit)		12kV
Rated frequency		50Hz
Utilization category		DC-21B – DC-PV1
Short-circuit capacity 1500 Vdc	Icw	5kA (kA eff./1s)
	Icm	10kA (kA peak-60 ms)
Recommended section copper cable		1x 95 ... 300mm ² or 2x 95 ... 185mm ²
<u>Mechanical characteristics</u>		
Degree of protection		IP65
Mechanical impact protection		Enclosure IK 10
Dimensions HxWxD (mm)		600x400x230
<u>Standards</u>		
Low voltage switchgear and control gear assembly		EN/IEC 61439-2
Low voltage switchgear and control gear Switches, disconnectors, switch-disconnectors and fuse-combination units		IEC 60947-3
European conformity		Low voltage European Directive n°2014/35/UE
		European Directive EMC n°2014/30/UE