

SOLAR POWER

STRING PANEL

Product code 6QPSC001A

General

Max input current	16 x 9A
Max output current	144A
Max voltage	880Vdc
Input screw	16+16 screw terminals
Output screw	2 bar clamps
Protection level	IP65
Operating temperature	-20°C ÷ 45°C
Insulation	2500Vac power/ control

Protection

Overvoltage discharger	type 2 1000V max 40KA (total 8/20µs) 12.5KA (nominal 8/20µs) 25KA (max 8/20µs) 3 varistors configuration Self- protected with fuse monitored
General output switch	4x125A (2 poles in parallel)
String fuse	20A 900Vdc 10x38
Auxiliary power fuse	4A 500Vac 10x38

Output relays

No. of relays	2
Contact	Exchange/potential free max. 2A max. 220Vdc / 250Vac max. 60W /62.5VA resistance < 35 mΩ
Insulation	1000 Vac

Communication

Standard	1 x RS232 (DB9 female) 1 x RS485 (RJ45 + screws) expansion communication slot
Speed	9600 bps
Insulation	2500Vac x 1 minute (232 and 485) Slot not insulated
Addressing	from 1 to 127 (dip-switch selection)

Mechanical data

Dimensions (WxDxH)	585x300x840 mm
Weight	27 Kg

Standards

EMC	Directive 2004/108/EC
LV	Directive 2006/95/EC

