PV STRING COMBINER

Description

The String Combiner Box provides multiple functions including solar energy collecting, switching control and power distribution, which helps to optimize the working efficiency of Hybrid Power System. As a component of Hybrid Power System, PhotoVoltaic (PV) String Combiner can combine up to three PV strings to a single output and be provided with or without surge protection and with either standard MC4 or Amphenol connectors. The enclosure provides IP55 protection and is suitable for most outdoor environments.

Ordering Information

1-O00991-G

YSD.00077.0	POWER & DIST RACK; PV STRING COMBINER W/AMPHENOL
YSD.00078.0	POWER & DIST RACK; PV STRING COMBINER W/MC4
YSD.00080.0	POWER & DIST RACK; PV STRING COMBINER W/AMPHENOL AND SPD
YSD.00081.0	POWER & DIST RACK; PV STRING COMBINER W/MC4 AND SPD

1-O00992-G

YGA.00344.0	PHTM; 10m DC AND ALARM CABLE KIT FOR; CONNECT COMBINER TO SYSTEM; AMPHENOL
YGA.00345.0	PHTM; 20m DC AND ALARM CABLE KIT FOR; CONNECT COMBINER TO SYSTEM; AMPHENOL
YGA.00346.0	PHTM; 10m DC AND ALARM CABLE KIT FOR; CONNECT COMBINER TO SYSTEM; MC4
YGA.00347.0	PHTM; 20m DC AND ALARM CABLE KIT FOR; CONNECT COMBINER TO SYSTEM; MC4
ZLH.00317.0	WIRING HARNESS; 3m GROUND CABLE; 10AWG(6mm^2)

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Specifications

General

Input Voltage	100 ~ 300VDC
Input Current	10A
Input Strings	Max. three ways
MCB Current	10A
Output Current	Max. 25A
Surge Protection Module	VAL-MS 230 ST
Operation Temperature	-25 ~ 75°C

Mechanical

Dimensions, inches (mm)	11.8 (300) W x 11.8 (300) H x 5.3 (135) D
Material	Aluminum
Enclosure	IP55

Alarm Terminal

PVSF	PV Surge Arrester fail alarm
+Vsys	
PVDA	PV Array Disconnection alarm

Connector

Amphenol	1000VDC; 45A; PC, UL94-V0, BLACK; -40°C to +90°C; IP68
MC4	1000V DC; 45A; PC, UL94-V0, BLACK; -40°C to +90°C; IP68

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