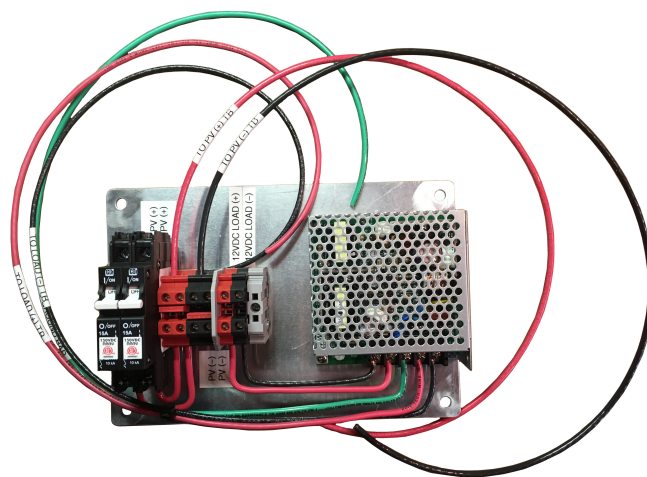


DC to DC Converter Accessories for Power Ready Express Systems

The converter control panel features a Mean Well DC:DC converter that plugs directly into a PRE Control Panel's output terminals. The control panel also has a combiner with two (2) 15A breakers that allows the user to plug two strings of PV modules into a single PRE control panel.

FEATURES:

- Easy Installation
- 12-to-24 volt and 24-to-12 volt versions
- Two (2) String Combiner for PV Input



PRE Converter Accessory Control Panel

SPECIFICATION

MODEL	SD-25B-12	SD-25A-24
OUTPUT	DC VOLTAGE	12V
	RATED CURRENT	2.1A
	CURRENT RANGE	0 ~ 2.1A
	RATED POWER	25.2W
	RIPPLE & NOISE (max.) Note.2	120mVp-p
	VOLTAGE ADJ. RANGE	11 ~ 16VDC
	VOLTAGE TOLERANCE Note.3	±1.0%
	LINE REGULATION	±0.3%
	LOAD REGULATION	±0.3%
INPUT	SETUP, RISE, HOLD UP TIME	2.5s, 50ms, ----- at full load
	VOLTAGE RANGE	A:9.2 ~ 18VDC B:19 ~ 36VDC
	EFFICIENCY (Typ.)	75%
	DC CURRENT	1.6A/24V
PROTECTION	OVERLOAD	105 ~ 150% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed
	OVER VOLTAGE	16.8 ~ 20V/10% load Protection type : Hiccup mode, recovers automatically after fault condition is removed
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 50°C)
ENVIRONMENT	WORKING TEMP.	-10 ~ +60°C (Refer to "Derating Curve")
	WORKING HUMIDITY	20 ~ 90% RH non-condensing
	STORAGE TEMP., HUMIDITY	-20 ~ +85°C, 10 ~ 95% RH
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes
SAFETY & EMC (Note 4)	SAFETY STANDARDS	Design refer to LVD
	WITHSTAND VOLTAGE	I/P-O/P:1.5KVAC I/P-FG:2.0KVAC O/P-FG:0.5KVAC
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH
	EMC EMISSION	Compliance to EN55022 (CISPR22) Class B
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,6,8, EN55024, heavy industry level, criteria A

	230074	230079
Input Voltage	24	12
Output Voltage	12	24
Watts	25	25
Converter Model	Mean Well SD-25B-12	Mean Well Sd-25A-24

