

String inverter solutions



Terrasmart's string inverter solutions provide low-cost and space-saving combiners and disconnects for residential and commercial solar systems that utilize string inverters. These solutions can be configured as combining or pass-through, with or without integrated disconnects. Contactor combiners or pass-through units, connected to Terrasmart power supply, serve as Rapid Shutdown devices. All products are ETL listed to UL-1741 for 1000 VDC photovoltaic systems and use compact NEMA-4X polycarbonate enclosures.

Product features

- ETL listed to UL-1741
- 2 to 6 input circuits per MPPT
- Rated for 1000 VDC and continuous duty
- Touch-safe fuse holders
- Ground block included
- NEMA-4X polycarbonate enclosures

Available options

- Integrated load break disconnect(s) option
- Configurations for single or dual MPPT inverters
- Configurations for floating arrays



Specifications

Product Description	Junction Box	Combiners					Pass-Through Disconnect Units	
Product part number	C6SK-1-4XP	CSK-6-FF-4XP	FSK-6-FF-4XP	F2SK-6-FF-4XP	FSK64-4-FF-N4	F2SK64-4-FF-N4	F2SK32-1-4XP	F4SK32-1-4XP
Topology	Grounded or Floating	Grounded	Floating	Floating	Floating	Floating	Floating	Floating
Maximum voltage (VDC)	1000	1000	1000	1000	1000	1000	1000	1000
Integrated load break disconnect	No	No	No	No	Yes	Yes	Yes	Yes
Number of input circuits	6	6	6	2 × 6	4	2 × 4	2	4
Number of output circuits	6	1	1	2	2	2	2	4
Input conductor size range (AWG)	#20 - 6	#14 - 8	#14 - 8	#14 - 8	#14 - 8	#14 - 8	#14 - 8	#14 - 8
Output conductor size range (AWG)	#20 - 6	#14 - 2	#14 - 2	#14 - 2	#12 - 2	#12 - 2	#14 - 8	#14 - 8
Max rated current (ADC cont. per output circuit)	30	75	75	2 × 75	64	2 × 64	32	32
Max fuse size (Amps)	N/A	30	30	30	30	30	N/A	N/A
Enclosure size (Inches)	9×8×2	9×8×2	12×10×4	16×14×7	16×14×7	20×20×6	10×8×4	12×10×4
Approx. weight (Pounds)	4	4	10	14	18	20	6	10
Enclosure NEMA rating	4X	4X	4X	4X	4X	4	4X	4X

*Other options available upon request. Please note dimensions and weight may vary for any custom solutions. Contact us for details.

