

DPI-208 & DPI-480 3-Phase Microinverter Data Sheet

MODEL	DPI-208	DPI-480
INPUT DATA (DC)		
Peak Power Tracking Voltage	32V-45V	
Operating Voltage Range	26V-60V	
Maximum Input Voltage	60V	
Maximum Input Current	20A x 4	
Maximum Input Short Circuit Current	25A per input	
OUTPUT DATA (AC)		
Maximum Continuous Output Power	1728VA	1800VA
Nominal Output Voltage/Range ⁽¹⁾	208V/183V-229V	480V/422V-528V
Adjustable Output Voltage Range	166V-240V	385V-552V
Nominal Output Current	4.8Ax3	2.17Ax3
Nominal Output Frequency/Range ⁽¹⁾	60Hz/59.3Hz-60.5Hz	
Adjustable Output Frequency Range	55Hz-65Hz	
Power Factor	0.99/0.8 leading...0.8 lagging	
Maximum Units per 30A branch ⁽²⁾	5	11
AC Bus Cable	AWG 10	
EFFICIENCY		
Peak Efficiency	96.5%	
Nominal MPPT Efficiency	99.5%	
Night Power Consumption	40mW	
MECHANICAL DATA		
Operating Ambient Temperature Range ⁽³⁾	-40°F to +149°F(-40°C to +65°C)	
Storage Temperature Range	-40°F to +185°F(-40°C to +85°C)	
Dimensions (W x H x D)	14" × 9.5" × 1.8" (359mm X 242mm X 46mm)	
Weight	13 lbs (6kg)	
DC Connector Type	Stäubli MC4 PV-ADBP4-S2&ADSP4-S2	
Cooling	Natural Convection - No Fans	
Enclosure Environmental Rating	Type 6	
FEATURES		
Communication (Inverter To ECU) ⁽⁴⁾	Encrypted ZigBee	
Isolation Design	High Frequency Transformers, Galvanically Isolated	
Energy Management	Yotta Vision EMA	
Warranty	10 Years Standard ; 25 Years Optional	
CERTIFICATE & COMPLIANCE		
Safety, EMC & Grid Compliances	UL-1741; CSA C22.2 No. 107.1-16; CA Rule 21 (UL 1741 SA); FCC Part15; ANSI C63.4; ICES-003; IEEE1547; NEC2014 & NEC2017 Section 690.11 DC Arc-Fault circuit; Protection NEC2014 & NEC2017 & NEC2020 Section 690.12 Rapid Shutdown of PV systems on Building	

⁽¹⁾ Nominal voltage/frequency range can be extended beyond nominal if required by the utility.

⁽²⁾ Limits may vary. Refer to local requirements to define the number of microinverters per branch in your area.

⁽³⁾ Inverter may enter low power mode in environments with poor ventilation or limited heat dissipation

⁽⁴⁾ Recommend no more than 80 inverters register to one ECU for stable communication.



Meets the standard requirements for Distributed Energy Resources (UL-1741) and identified with the CSA Listed Mark