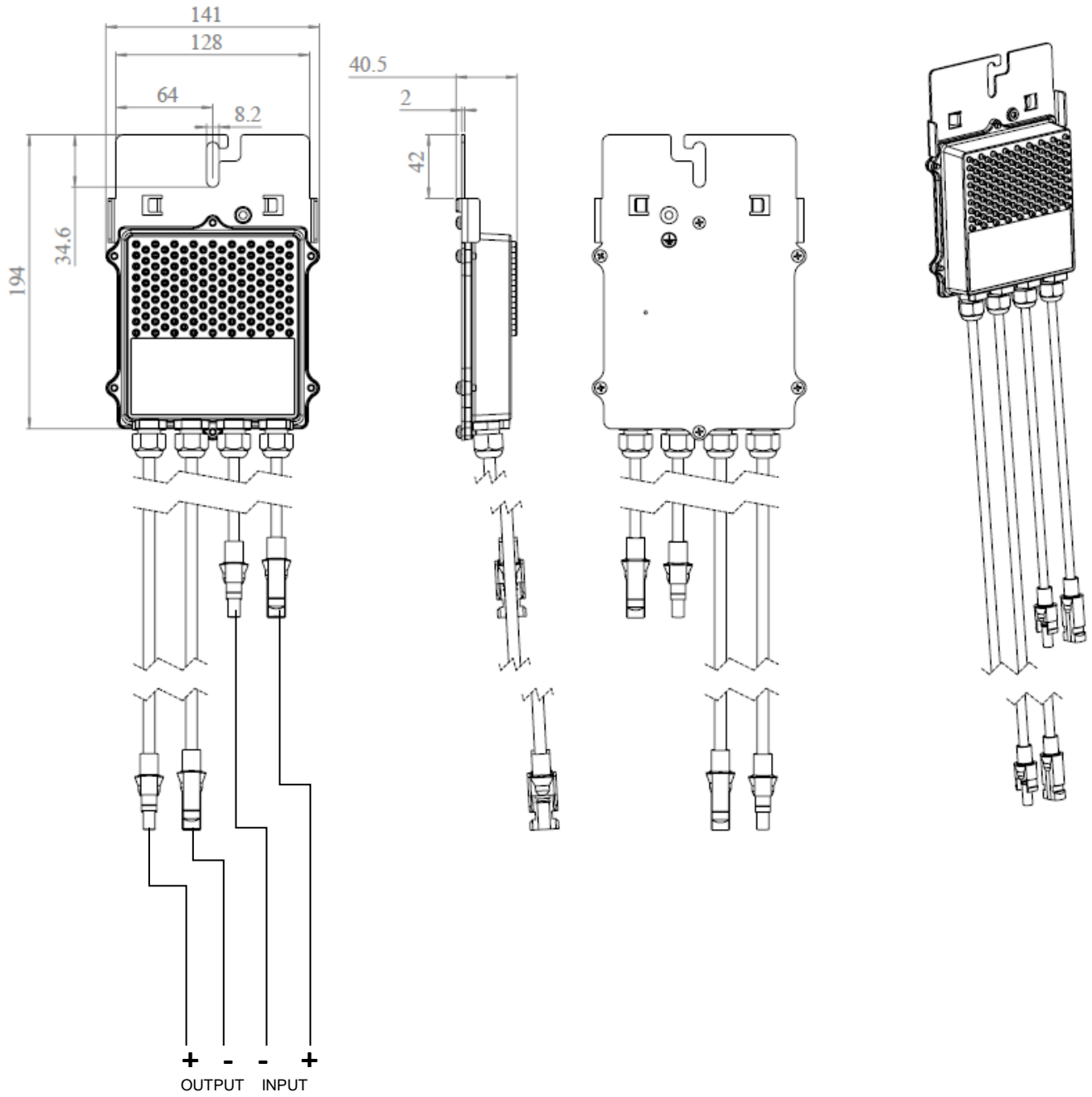


Power Optimizer Specifications – P300 / P350 / P400 / P405

	P300	P350	P400	P405	
INPUT					
Rated Input DC Power ⁽¹⁾	300	350	400	405	W
Absolute Maximum Input Voltage (Voc)	48	60	80	125	Vdc
MPPT Operating Range	8 - 48	8 - 60	8 - 80	12.5 - 105	Vdc
Maximum Short Circuit Current (Isc) of connected PV Module	10				Adc
Maximum DC Input Current	12.5				%
Maximum Efficiency	99.5				%
Weighted Efficiency	98.8				
Overtoltage Category	II				
OUTPUT DURING OPERATION (POWER OPTIMIZER CONNECTED TO OPERATING INVERTER)					
Maximum Output Current	15				Adc
Maximum Output Voltage	60			85	Vdc
OUTPUT DURING STANDBY (POWER OPTIMIZER DISCONNECTED FROM INVERTER OR INVERTER OFF)					
Safety Output Voltage per Power Optimizer	1				Vdc
STANDARD COMPLIANCE					
EMC	FCC Part15 Class B, IEC61000-6-2, IEC61000-6-3				
Safety	IEC62109-1 (class II safety), UL1741				
Material	UL-94 (5-VA), UV Resistant				
RoHS	Yes				
INSTALLATION SPECIFICATIONS					
Maximum Allowed System Voltage	1000				Vdc
Dimensions (WxLxH)	141 x 212 x 40.5 / 5.55 x 8.34 x 1.59				mm / in
Weight (including cables)	950 / 2.1				g / lb
Input Connector	MC4 / Tyco / Amphenol				
Output Wire Type / Connector	Double Insulated; Amphenol				
Output Wire Length	0.95 / 3.0	1.2 / 3.9			m / ft
Operating Temperature Range	-40 - +85 / -40 - +185				°C / °F
Protection Rating	IP65 / NEMA4				
Relative Humidity	0 - 100				%

⁽¹⁾ Rated STC power of the module. Module of up to +5% power tolerances allowed

PV SYSTEM DESIGN USING SOLAREEDGE INVERTER	SINGLE PHASE	THREE PHASE 208V	THREE PHASE	
Minimum String Length (Power Optimizers)	8	10	18	
Maximum String Length (Power Optimizers)	25	25	50	
Maximum Power per String	5250	6000	12750	W
Parallel Strings of Different Lengths or Orientations	Yes			



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