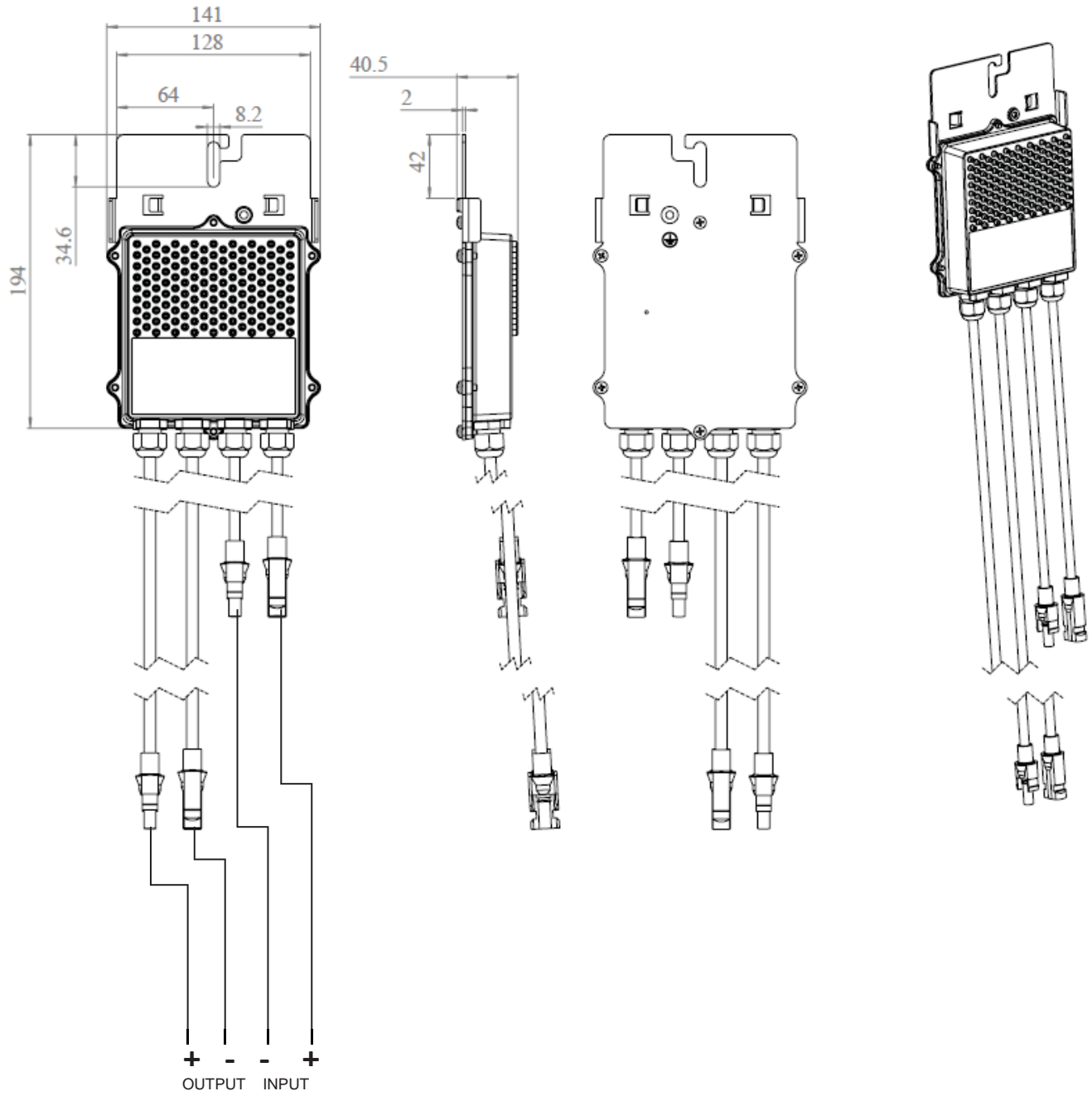


**Power Optimizer Specifications – P300 / P350 / P400 / P405**

	P300	P350	P400	P405	
<b>INPUT</b>					
Rated Input DC Power <sup>(1)</sup>	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				
<b>OUTPUT DURING OPERATION (POWER OPTIMIZER CONNECTED TO OPERATING INVERTER)</b>					
Maximum Output Current	15				Adc
Maximum Output Voltage	60			85	Vdc
<b>OUTPUT DURING STANDBY (POWER OPTIMIZER DISCONNECTED FROM INVERTER OR INVERTER OFF)</b>					
Safety Output Voltage per Power Optimizer	1				Vdc
<b>STANDARD COMPLIANCE</b>					
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				
<b>INSTALLATION SPECIFICATIONS</b>					
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				%

<sup>(1)</sup> 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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