

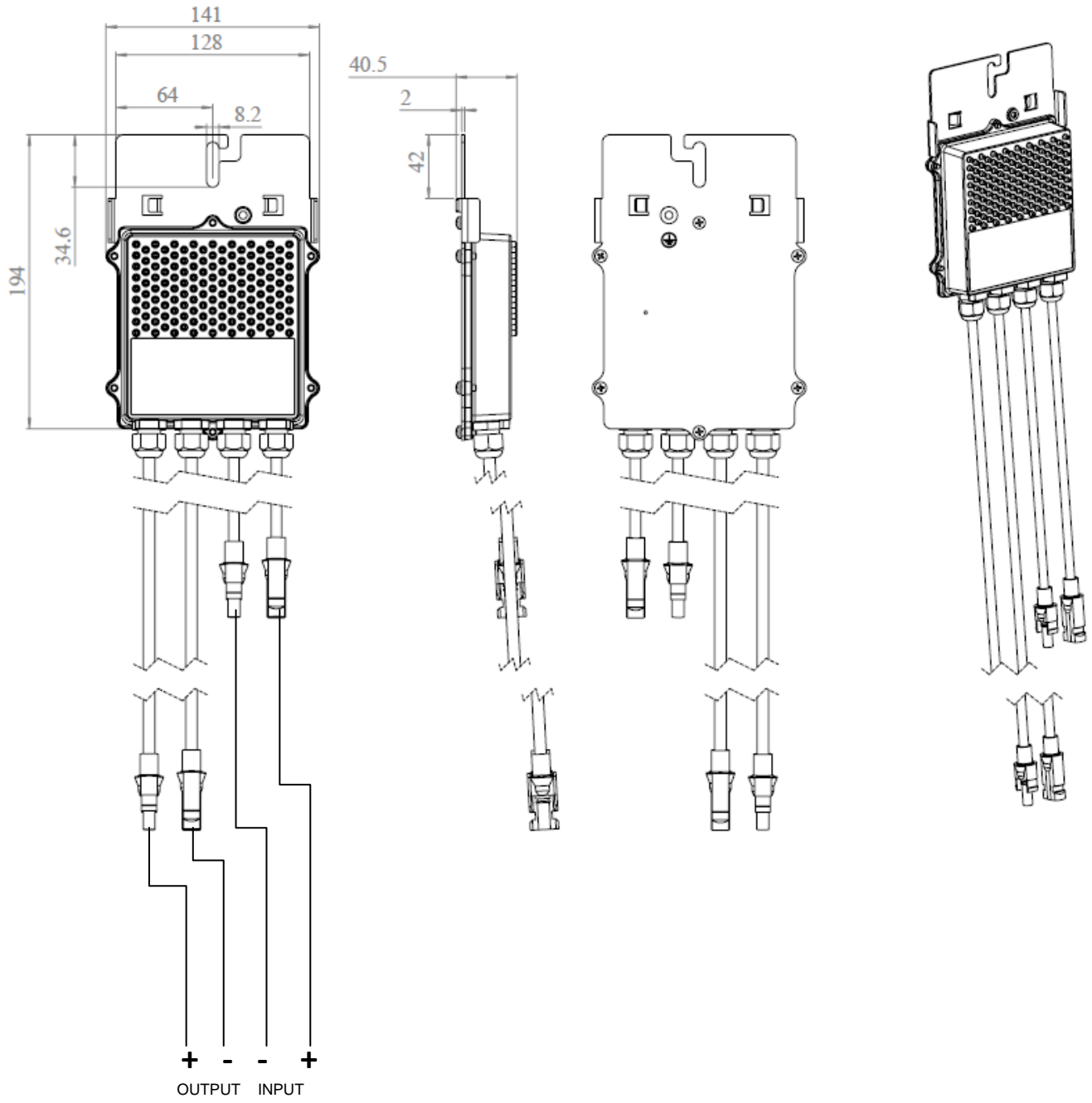
# Power Optimizer Specifications – P600 / P700

	P600	P700	
<b>INPUT</b>			
Rated Input DC Power <sup>(1)</sup>	600	700	W
Absolute Maximum Input Voltage (Voc)	96	125	Vdc
MPPT Operating Range	12.5 - 80	12.5 – 105	Vdc
Maximum Short Circuit Current (Isc) of connected PV Module	10		Adc
Maximum DC Input Current	12.5		A
Maximum Efficiency	99.5		%
Weighted Efficiency	98.7		%
Oversoltage Category	II		
<b>OUTPUT DURING OPERATION (POWER OPTIMIZER CONNECTED TO OPERATING INVERTER)</b>			
Maximum Output Current	15		Adc
Maximum Output Voltage	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
Compatible SolarEdge Inverters	Three phase	480 Vac three phase inverters	
Dimensions (WxLxH)	141 x 212 x 40.5 / 5.55 x 8.34 x 1.59		mm / in
Weight (including cables)	1100 / 2.4		g / lb
Input Connector	MC4 / Tyco / H+S / Amphenol		
Output Wire Type / Connector	Double Insulated; Amphenol		
Output Wire Length	1.2 / 3.9 or 1.8 / 5.9	1.2 / 3.9 or 2.1 / 6.9	m / ft
Operating Temperature Range <sup>(2)</sup>	-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

<sup>(2)</sup> For ambient temperature above +158°F/+70°C power de-rating is applied. Refer to Power Optimizers Temperature De-Rating Application Note for more details.

PV SYSTEM DESIGN USING SOLAREEDGE INVERTER		THREE PHASE 208V	THREE PHASE 480V	
Compatible power optimizers		P600	P600 and P700	
Minimum String Length	Power Optimizers	8	13	
	PV Modules	16	26	
Maximum String Length	Power Optimizers	30	30	
	PV Modules	60	60	
Maximum Power per String		6000	12750	W
Parallel Strings of Different Lengths or Orientations		Yes		



MAN-01-00146-1.1