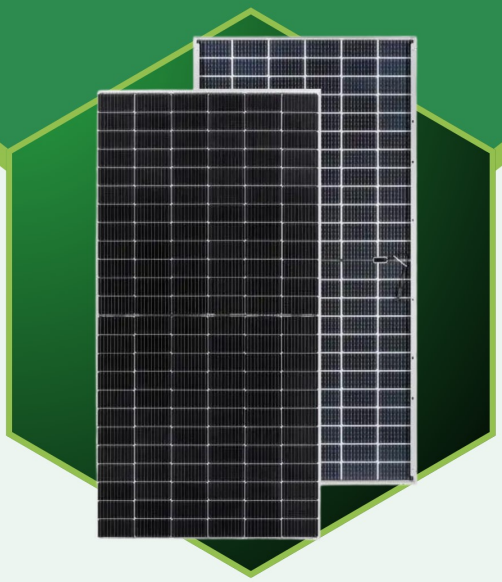


CanadianSolar

545-watt

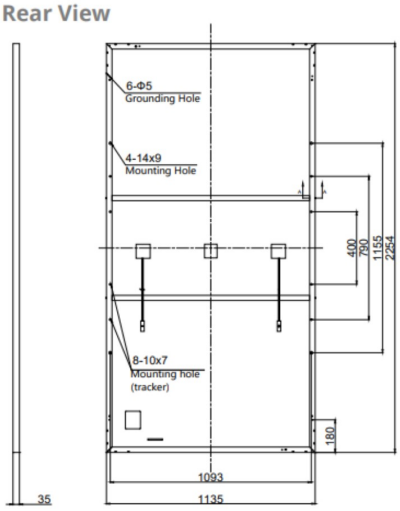
ELECTRICAL DATA | STC*	
Nominal Max. Power (Pmax)	545 W
Opt. Operating Voltage (Vmp)	41.2 V
Opt. Operating Current (Imp)	13.23 A
Open Circuit Voltage (Voc)	49.4 V
Short Circuit Current (Isc)	13.95 A
Module Efficiency	21.3%
Operating Temperature	-40°C ~ +85°C
Max. System Voltage	1500V (IEC/UL) or 1000V (IEC/UL)
Module Fire Performance	TYPE 1 (UL 61730) or CLASS C (IEC 61730)
Max. Series Fuse Rating	25 A
Application Classification	Class A
Power Tolerance	0 ~ + 10 W

ELECTRICAL DATA | NMOT*	
Nominal Max. Power (Pmax)	406 W
Opt. Operating Voltage (Vmp)	38.4 V
Opt. Operating Current (Imp)	10.58 A
Open Circuit Voltage (Voc)	46.5 V
Short Circuit Current (Isc)	11.25 A

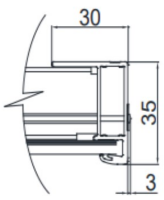
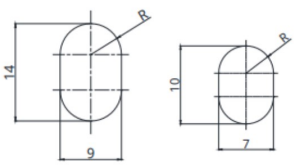
MECHANICAL DATA	
Cell Type	Mono-crystalline
Cell Arrangement	144 [2x (12 x6)]
Dimensions	2254 ˣ 1135 ˣ 35 mm
Weight	29.0 kg
Front Cover	3.2 mm tempered glass
Frame	Anodized aluminium alloy, 2 crossbars enhanced
J-Box	IP68, 3 bypass diodes
Cable	4 mm² (IEC), 12 AWG (UL)
Cable Length (Including Connector)	400 mm (15.7 in) (+) / 280 mm (11.0 in) (-) or customized length*
Connector	T4 series or H4 UTX or MC4-EVO2
Per Pallet	30 pieces
Per Container (40' HQ)	600 pieces

TEMPERATURE CHARACTERISTICS	
Temperature Coefficient (Pmax)	-0.35 % / °C
Temperature Coefficient (Voc)	-0.27 % / °C
Temperature Coefficient (Isc)	0.05 % / °C
Nominal Module Operating Temperature	42 ± 3°C

Rear View



Frame Cross Section A-A



Mounting Hole