

**For a Free Quote:**

Web: **EnergyPal.com/solar**

Call: **1-800-990-3725**

Email: **contact@energypal.com**

# **EnergyPal**

## **Solar Panel Guide Specification Data Sheet**

**Powertrac Solar Project Limited  
PSPL 60-80W  
PSPL P-60**

Also available on the web at  
[EnergyPal.com/powertrac-solar-project-limited-solar-panels/pspl-p-60](http://EnergyPal.com/powertrac-solar-project-limited-solar-panels/pspl-p-60)

PSPL **NANO**  
SERIES

**60 - 80 W**

Power Range

**0/+5W**

Tolerance



**High PID Resistant**

PSPL-Series has proved resistance to degradation induced power



**Advanced Glass**

High transmission glass resulting in increased energy production.



**High efficiency and durability**

Manufacturing process certified excellent performance under low light environments.

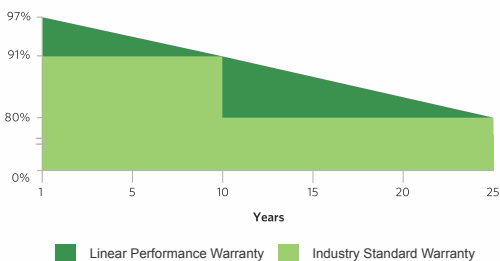


**Robust and corrosion free modules**

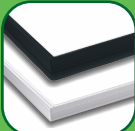
Certified to withstand the most challenging environmental conditions.

**25**

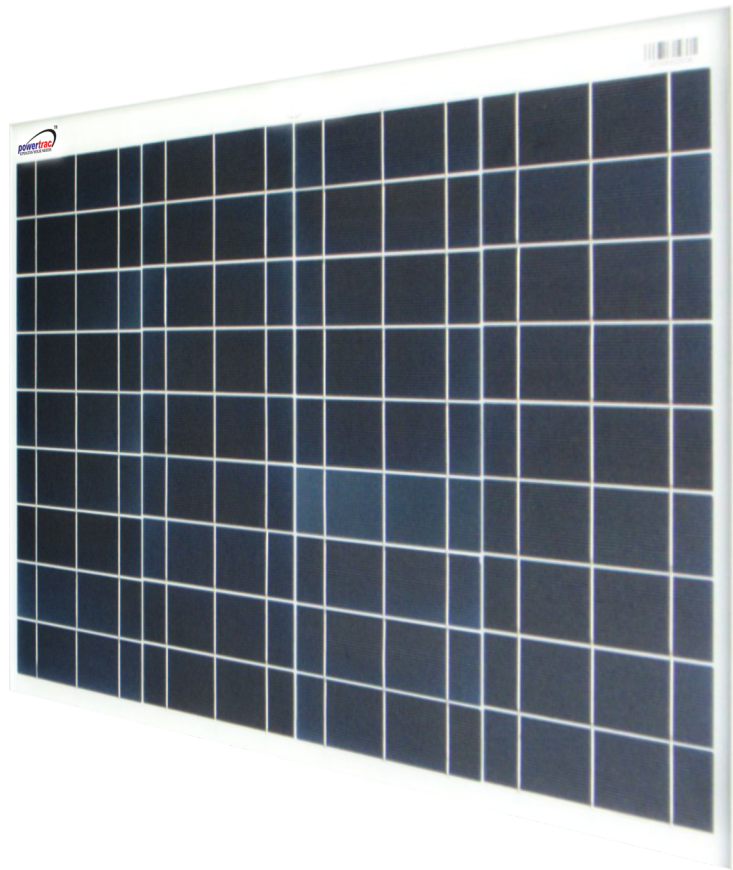
**YEARS LINEAR WARRANTY**



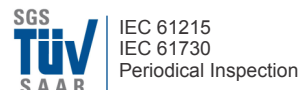
**B / W SHEET**

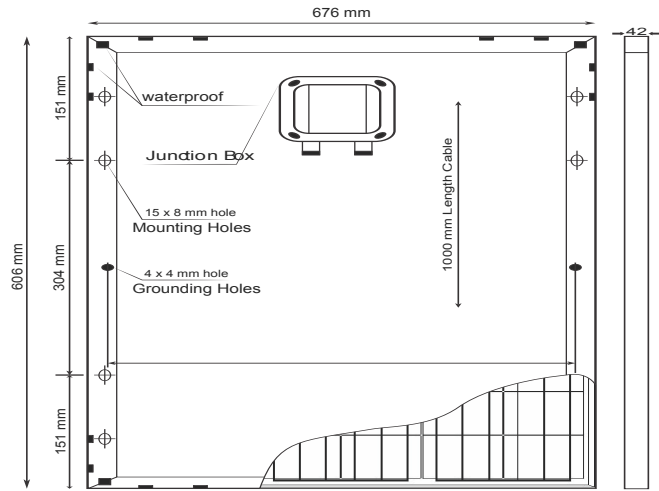


**B / S FRAME**



**CERTIFICATIONS**





## GENERAL CHARACTERISTICS

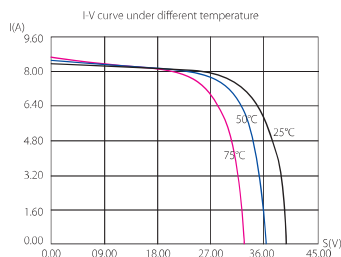
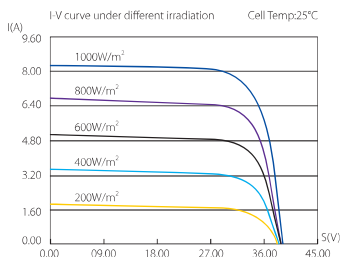
Dimensions	615 x 675 x 42 mm
Weight	5.85 kg

## PACKAGING

Modules per pallet	26
Pallets / Container 20'	12
Pallets / Container 40'	28

## TEMPERATURE RATING

NOCT	45 ± 2° C
Coefficient of ( $P_{max}$ )	-0.47 % / °C
Coefficient of ( $V_{oc}$ )	-0.34 % / °C
Coefficient of ( $I_{sc}$ )	+0.045 % / °C



## ELECTRICAL DATA

STC	PSPL P-60	PSPL P-74	PSPL P-75	PSPL P-80
Maximum Power at STC ( $P_{max}$ )	60 W	74 W	75 W	80 W
Optimum Operating Voltage ( $V_{mp}$ )	17.5 V	17.5 V	17.7 V	17.7 V
Optimum Operating Current ( $I_{mp}$ )	3.45 A	4.20 A	4.28 A	4.58 A
Open Circuit Voltage ( $V_{oc}$ )	21.5 V	21.5 V	21.5 V	21.5 V
Short Circuit Current ( $I_{sc}$ )	3.65 A	4.65 A	4.70 A	5.05 A
Module efficiency	13.5 %	13.8 %	14.1 %	14.5 %

Standard Test Conditions (STC): air mass AM 1.5, irradiance 1000W/m<sup>2</sup>, cell temperature 25°C

## OPERATIVE CONDITIONS

Power Tolerance	0/+5W
Max. System Voltage	1.000 V
Max. Series Fuse Rating	15 A
Operating Temperature Range	+40° C to 85° C
Max. Static Load, Front (Snow)	5400 Pa
Max. Static Load, Back (Wind)	2400 Pa
Fire Rating	Class A

## MECHANICAL CHARACTERISTICS

Solar Cells	Polycrystalline silicon 156 x 156 mm
Cell arrangement	36 cells in series
Front Cover	Low-iron tempered glass 3.2 mm
Frame	Anodized aluminum alloy
Encapsulant	EVA (ethylene vinyl acetate)
Junction Box	Ip65
Bypass Diodes	3
Cables (length/area)	1000 mm / 4 mm <sup>2</sup>
Connectors	MC4

## Powertrac Solar Projects Ltd.

AN ISO 9001:2008 & NSIC CARE RATED CO.

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UPDATES YOUR NEEDS

**Powertrac Solar Projects Ltd.**

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