For a Free Quote:
Web: **EnergyPal.com/solar**
Call: **1-800-990-3725**
Email: **contact@energypal.com**

Solar Panel Guide
Specification Data Sheet

SolarPro
SP30/40W-18V Mono
SP30W-18V

Also available on the web at
EnergyPal.com/solarpro-solar-panels/sp30w-18v

SOLAR PANEL

SP40W&30W-18V
MONO & POLYCRYSTALLINE

Key features:

PID Free Module:
Anti-PID cell and encapsulation technology
Frameless module requires no module grounding which may PID

Higher Lifetime Power Yield:
<0.5% annual power degradation
30 year linear power warranty

Saving BOS Cost:
Desigened for high voltage systems of up to 1500 VDC,saving BOS cost

Improved Durability and Reliability:
Dual glass reduces micro-cracking, snail trails, corrosions caused by moisture, sand, salt mist, acid, alkali, etc.

Less Maintenance Requirement:
Reduced soiling and snow coverage requires less maintenance and enhances fire safety

Aesthetically Pleasing Design:
white back sheet maximizes module efficency up to 16.84%(60-poly max. output 275W); Transparent back sheet increases light transmission, ideal for installations requiring light to pass through

Strengthened Mechanical Suppot:
5400 Pa snow load, 2400 Pa wind load

Module Models

Electrical Specifications		
Model	SP40W-18V	SP30W-18V
Peak power(Pmax)	40W	30W
Cell Efficiency	16.93%	17.04%
Max. power volt.(Vmp)	17.5V	17.8V
Max. power current(Imp)	2.29A	1.69A
Open circuit volt.(Voc)	21.8V	21.8V
Short circuit current(Isc)	2.46A	1.85A
Power Tolerance	±3%	±3%
Max. system voltage	1000V	1000V
Series fuse rating(A)	12	10
Operating temperature	-4℃ to + 85℃	
Maximum system voltage	1000V DC	
STC: Irradiance 1000W/m², Module temperature 25℃, AM=1.5		

Mechanical Characteristics		
Dimensions	425*670*25mm	650*350*25mm
Weight	3.4kg	2.3kg
Solar Cells	36 cell in series	
Glass type	High transmits, Low Iron, 3.2mm Tempered Glass	
Frame	Aluminium-alloy	