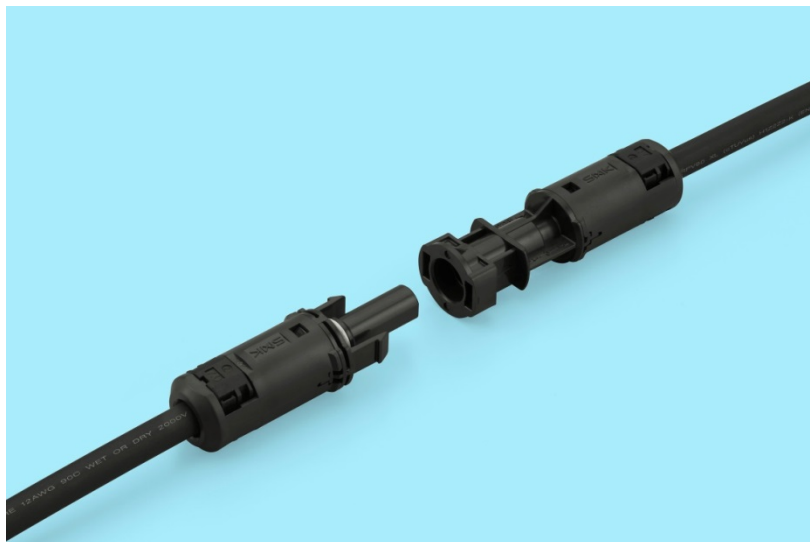


SMK Develops Connector for Photovoltaic Module “PV-05 Series” Compatible with EN 1500V, Contributing to the Improved Photovoltaic Panel’s Efficiency



SMK Corporation has expanded the product lineup of connectors for photovoltaic module with “PV-05 Series” rated at the high voltage of 1500V DC. The sales launch is scheduled for January, 2018.

In recent year, the rated voltage of photovoltaic power generation systems has been increasing from 1000V to 1500V due to the improved efficiency of system voltage. The newly developed “PV-05 Series” is compatible with this increased voltage capacity.

The “PV-05 Series” is EN 1500V certified, and UL 1500V certification is due to be acquired.

In addition to securing excellent waterproof performance due to SMK’s original water-tight structure, the product achieves secure contact performance due to the terminal’s multi-point contact structure. (Patented) Cable requires no tightening torque control, contributing to reduced assembly man-hour.

This product enables mating compatibility with “PV-03 Series”, which is designed in accordance with global de-facto standard, allowing the use in countries around the world, including the United States, Europe and Japan.



【Applications】

Photovoltaic panels, photovoltaic systems

Published Date	November 15th, 2017	
Press Release Number	1092CS	
Product Name	Connector for photovoltaic module “PV-05 Series”	
Major Specifications	Rating	1500V DC, 30A
	Contact Resistance	5mΩ maximum
	Insulation Resistance	400 MΩ minimum
	Withstanding Voltage	AC8kV (50/60Hz)
	Operating Temperature Range	-40°C to +85°C
	Designed in accordance with	EN/IEC 62852
	External Dimensions	Plug: φ19×64mm Socket: φ19×58.3mm Mated dimensions: φ19×99.8mm
	Operating Life	50 cycles
Release Date	January, 2018	
Production Capacity	1,000,000 units per month	
Sample Price	500 yen (plug and socket set)	
Inquiry	For more information, please contact the CS Division	