



F.E. Model: FCOHN026—48V 150A

FCOHN026 PV CONTROLLER is the FULL-TECH controller solution for your telecommunication, residential, remote monitoring equipment and hybrid power needs. FULL-TECH because we gather into the most advanced and innovative features in the advanced controller systems, such as EXPERT CONTROL SYSTEM developed by us. It addresses the optimum, precise, high ratio available needs of your batteries as well as loads.

	Items	Parameters
Charge Regulator	Nominal voltage	48V
	Supply current maximum	200mA
	Supply current typical	130mA
	Array amount	6
	Array input voltage maximum	96V
	Solar charge current maximum per bank	35A
	Voltage drop of charge circuit	< 0.15V
	Total solar charge current	150A
	Equalized charge voltage setting range	55~64V (Default 60)
	Boost charge voltage setting range	52~60V(Default 56)
	Float charge voltage setting range	50~57V(Default 54)
	Boost cut in voltage setting range	48~53V (Default 51)
	Temp compensation	0~10mV/°C/Cell (Default 5)
Wire entry size	35mm ²	
Output Voltage Control	Continuous output current maximum	50A
	Current overload limit	100A
	Over discharge cut off voltage	42~48A (Default 45)
	Over discharge return voltage	49~55V (Default 52)
	Voltage drop of discharge circuit	0.1V
	Wire entry size of battery and load	150mm ²
Generator	Generator current measurement	400A (DC side)
	Auto cut in voltage setting range	46~55V (Default 48)
	Relay capacity of start Generator	1/220A/V
	Generator oil low fault alarm port	1 rely signal input
	Generator over temperature alarm port	1 rely signal input
Other alarm	Battery lower voltage alarm setting range	46~55V(Default 48)
	Battery over voltage alarm	68V
LCD display & communication	LCD view area	114×64 mm ²
	Resolution of dots	240×128 DOTS
	Communication	RS-232
Environment	Operating temperature range	-40~+70°C
	LCD display temperature	-20~+70°C
	Altitude	<5000m
	Weight	26Kg
	Protection class	IP66