



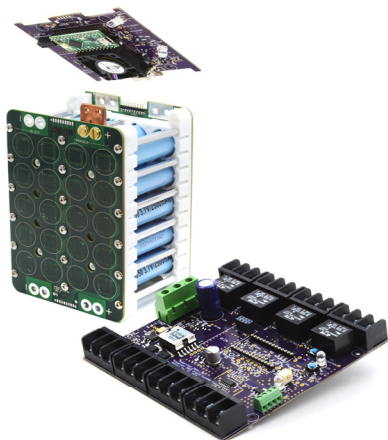
# DKblock® lithium cell building block kit

## DK18650-2S10P

### FEATURES AND BENEFITS

- Built-in wireless Battery Management System – no low power wiring needed
- Pack builder supplies 18650 cells – block keeps up with latest technology
- Cells are compression packaged – no welding required
- Energy density 2X that of LiFePO4 cells – build lighter weight packs
- Easily scalable – build packs from 1.2 – 66.0 kilowatt-hour
- Quick assembly and dis-assembly - cells are easily replaced when spent

Dkblock® module specifications	
Cell configuration	20 cells – 2s10p (2 series by 10 parallel)
Kit contents	PC boards, BMS, hardware, cell holders
Dimensions (mm)	143 x 71 x 98
Weight (kg)	1.255 (with Sanyo NCR18650BD)
Module nominal capacity (ahrs - whrs)	35 - 259 (with Sanyo NCR18650BD)
Module nominal voltage (VDC)	7.40
Module internal impedance (AC, mohms)	< 80
Energy density (watt-hours per kg)	> 200 (using LG, Sanyo, or Samsung cells)
Charge protection	Yes
Discharge protection	Yes
Balancing current (ma)/Maximum current (A)	250/100
Air flow for cooling and warming (m <sup>3</sup> /min)	3.7
Spring contact material	Phosphor bronze with gold plating
Operating and storage temp(C)	-40° to 60°C



Reusable



Recyclable

Made in USA



**Offgrid Systems LLC**  
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360-630-1962

**Block Manager**  
Does BMS and  
communication

**Battery Block – 7.4V**  
2 series/ 10 parallel

**Pack Supervisor**  
Communicates with block  
and provides motor and  
charge control

