

**COMMUNICATION PROCESS
7.1KWH48VDC MODULES**

STEP	PROCESS	DESCRIPTION		
1	Open TCP/IP over Ethernet UDP	For Communicating over UDP, controller must have IP , mac address, and port number.		
2	Connection Establishment	For connection establishment, monitoring application hardware must meet same network conditions.		
3	Session Create	After proper handshake session is established between controller and monitoring app hardware.		
4	Data read	After Session establishment, controller sends data to monitoring application in string format as given below: VT,V1,V2,C,T,SOC,CTE,DTE,CSE,DSE,LE,EE,ET,CON,DON,OV,UV,RP		
VT=	Total String Volt	CTE= Charged total Energy	ET=	Estimated Time
V1=	Cell 19th volt	DTE= Dis.Charged total Energy	CON=	Charging ON
V2=	Cell 20th volt	CSE= Charge Saved Energy	DON=	Discharging ON
C=	String Current	DSE= Dis.Charge Saved Energy	OV=	Over Volt
T=	Temperature	LE= Life Energy	UV=	Under Volt
SOC=	State Of Charge	EE= Estimated Energy	RP=	Reverse Polarity
5	Close the connection	After receiving string, the monitoring application put data in segments with(comma),and close connection.		
<p>Note:- The string details of the controllers will be different than above main controller. But the communication process will be the same with all controllers.</p>				