

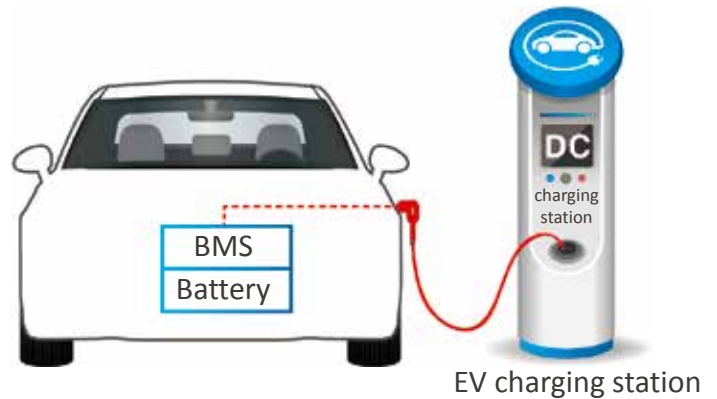
FRED for DC EV Charging Solutions

PANJIT's FRED series are specifically designed for Power Factor Correction(PFC). It provides soft recovery characteristics and low Q_{RR} , which can effectively reduce the switching loss and improve EMI. At the same time, it has ultra-low leakage current and the maximum operational junction temperature can reach 175 °C.



Product Features

- Best trade-off on V_F & T_{RR}
- Soft recovery switching
- Low leakage current
- High efficiency
- Low switching loss
- High junction temperature 175°C



Recommended Devices

Function	Part Number	V_{RRM}	I_F	$V_F@I_F$ Max.	$I_R@V_{RRM}$ Max.	Package	
Vienna PFC	QRT3012P*	1200V	30A	3.3V	5uA	TO-247AD 2L	
	QRT6012P*		60A	3.3V	5uA		
DC/DC Converter	QRT3006P	600V	30A	2.4V	5uA		
	QRT6006P		60A	2.4V	5uA		
	QRT3010P*	1000V	30A	3V	5uA		
	QRT6010P*		60A	3V	5uA		
Oring	KBJ3510	1000V	30A	1.1V	5uA		KBJ

* In development.