

Subject
OB5617P Demo Board Manual

Board Model: LD66V0.25A5617 2051
Doc. No.: OB_DOC_DBM_5617P00



Key features:

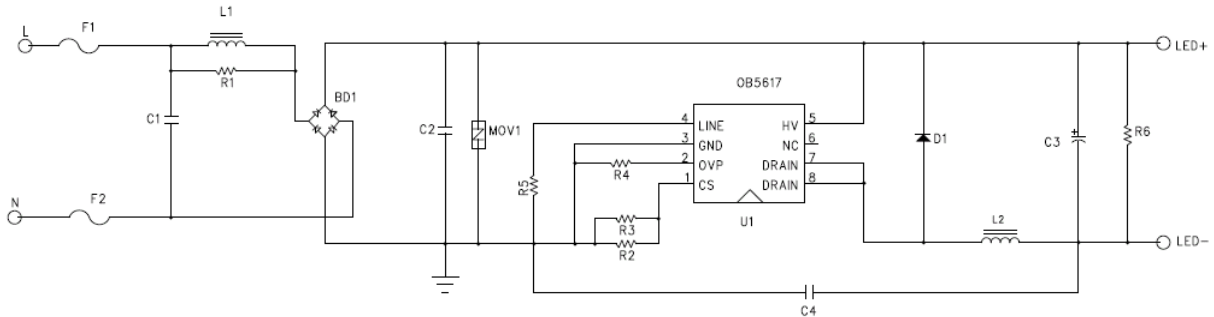
- Single stage PFC structure with non-isolated buck application
- Widely voltage input range 90Vac~300Vac
- QR mode to achieve high PF (>0.9) and Low THD
- Low system cost and high efficiency (>86%)
- High precision constant output current (<±5%)
- High surge reliability (>2.5kV)
- LED open/short protection
- Line OVP and line foldback function
- Thermal foldback function

Revision History

Revise Date	Version	Reason/Issue
2020/12/28	00	First issue

1. Board Information

1.1. Board Schematic



1.2. Module Snapshot

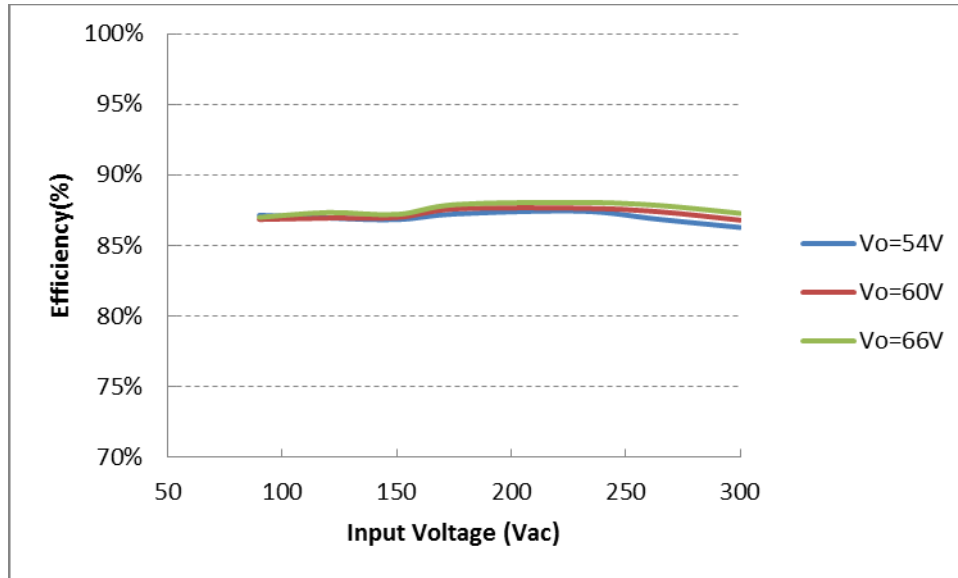


Size: 36.5mm(L) * 21mm(W) * 18mm(H)

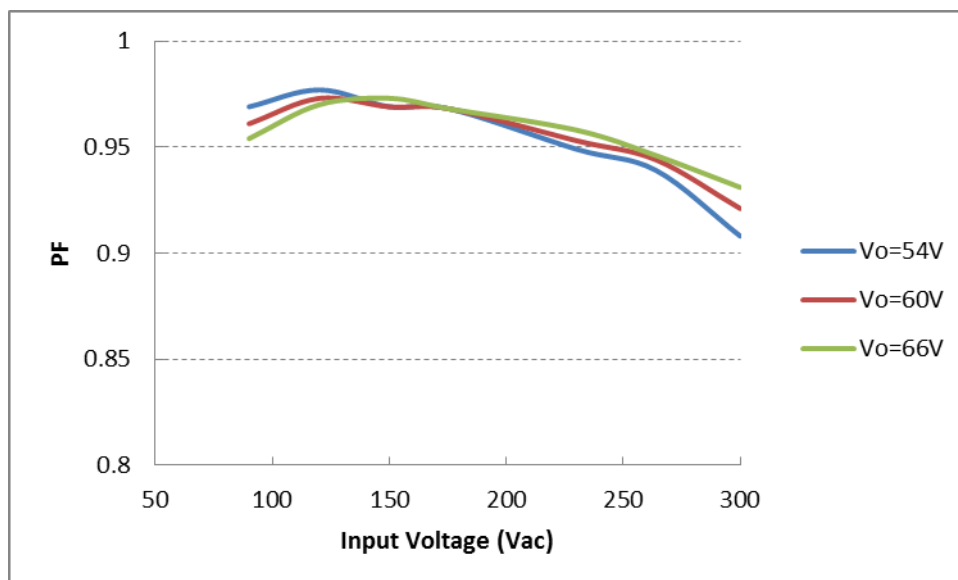
2. Performance Evaluation

2.1. Input Characteristics

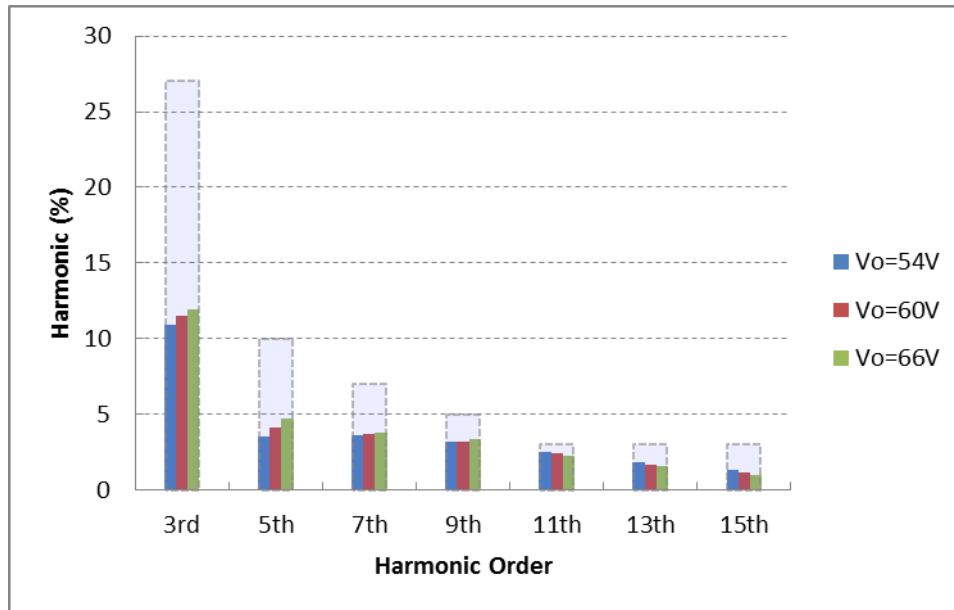
3.1.1 Efficiency



3.1.2 Power factor



3.1.3 Harmonic



Disclaimer

On-Bright Electronics reserves the right to make corrections, modifications, enhancements, improvements, and other changes to its documents, products and services at any time and to discontinue any product or service without notice. Customers should obtain the latest relevant information before placing orders and should verify that such information is current and complete.

This document is under copy right protection. None of any part of document could be reproduced, modified without prior written approval from On-Bright Electronics.